

Notice of Allowability

Application No.

10/648,196

Examiner

Haissa Philogene

Applicant(s)

SAGAWA ET AL.

Art Unit

2828

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to application filed 08/27/03.
2. ☒ The allowed claim(s) is/are 1-9.
3. ☐ The drawings filed on _____ are accepted by the Examiner.
4. ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some* c) ☐ None of the:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
- * Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
6. ☒ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
- (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
- 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
- (b) ☒ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO-1449 or PTO/SB/08), Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date _____
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☒ Other attached papers.

Haissa Philogene
Primary Examiner

Haissa Philogene
A.U. 2828

DETAILED ACTION

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

The application has been amended as follows:

In the abstract,

--"10" has been changed to --(10)--; "11" to --(11)--; "13" to --(13)--; "16" to --(16)--; " 16' " to --(16')—. Note that the parentheses are inserted in order to comply with U.S. practice.

In the Drawings,

-Figures 1, 2 and 46 have been labeled as --PRIOR ART—in order to be consistent with the specification.

Allowable Subject Matter

The following is an examiner's statement of reasons for allowance: The prior art fails to disclose a cold cathode type flat panel display which is an image display device having, inter alia, some parts of lines positioned in the upper layer out of the plural electrical lines formed on the cathode substrate being made into scan lines and lines positioned in the lower layer out of the plural electrical lines formed on the cathode substrate being made into data lines, and some parts of the electrical lines positioned in the upper layer being made into ground lines for giving ground voltage to the spacers,

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and further the spacers being in a ground state by the ground lines at the least in the period when the scan lines adjacent thereto are selected (claim 1); or, lines positioned in the upper layer out of the plural electrical lines formed on the cathode substrate being made into scan lines and lines positioned in the lower layer out of the plural electrical lines formed on the cathode substrate being made into data lines, and some parts of the scan lines positioned in the upper layer functioning both as power feeding lines for giving electric potential to the spacers and scan lines, and being at scan line voltage at the least in the period when the parts of the scan lines are selected (claim 2). The remaining claims 3-9 are allowed by virtue of the dependencies on the independent claims. Hence, the examiner has allowed claims 1 through 9.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Conclusion

The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Hasegawa et al., Patent No. 6,409,566 ; Hasegawa et al., Patent No. 5,912,531 ; Shibata et al., Patent No. 6,184,610 ; Kobayashi et al., Patent No. 6,225,749; Sanou et al., Patent No. 6,278,233; Sagawa et al., JP Pub. No. 2000-208076; Kusunoki et al., JP Pub. No. 2001-101965.

None of the above patents discloses the electrical line structure as recited.

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Correspondence

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Haissa Philogene whose telephone number is (571) 272-1827. The examiner can normally be reached on 6:30 A.M.-6:00 P.M..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, MinSun Harvey can be reached on (571) 272-1835. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

hp

Haissa Philogene
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